

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/003045

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 H01L 33/00**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and applications for inventions since 1975  
Korean Utility models and applications for Utility models since 1975  
Japanese Utility models and application for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/059982 A1 ( NICHIA CORPORATION ) 1 AUGUST 2002 see page 26 line 14 - page 26 line 19 & page 23 line 15 - page 26 line 2	1-4
A	US 6482664 B1 ( JEONG-HOON LEE ) 19 NOVEMBER 2002 see the whole document	1-4
A	US 6066861 ( SIEMENS AKTIENGESSELLSCHAFT ) 23 MAY 2000 see the whole document	1-4
A	JP 2001-123045 A ( SUMITOMO BAKELITE CO. LTD. ) 8 MAY 2001 see the whole document	1-4

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
25 FEBRUARY 2005 (25.02.2005)

Date of mailing of the international search report  
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Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

KIM, Dong Yup

Telephone No. 82-42-481-5749



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/003045

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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